

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

BURN-IN TESTER

E. 1272

NICOLAS M. KONOMOOU

2001

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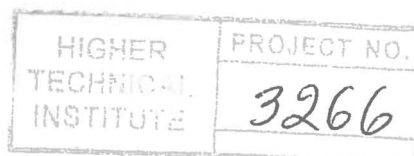
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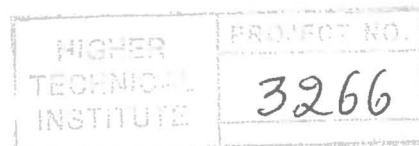
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SUMMARY

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BURN-IN TESTER

This project deals with the design, and construction of a burn-in tester. The tester will consist a microcontroller card which consist of a PIC CPU, a 4X4 keypad, an LCD display module and drives a relay.

The device is controlled by a PIC16C62A microcontroller from Microchip, which initializes the LCD module and takes input from the keypad and drives on and off the relay.

The LCD device is the H2570 from HITACHI, the Keypad is a low cost keypad from ECO and the relay is G2R-1 series of OMRON.

The user will input the data that needs from the keypad and see them in the LCD display.

First general information about the current Burn-in tester is given and then there is a general description of PIC microcontrollers and especially PIC16C62A. After that brief information about LCD modules is given. Finally the design approach of the microcontroller in detail is given.

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